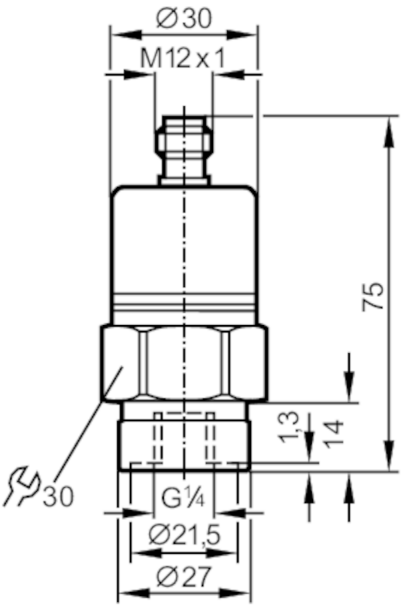
PX9963

Pressure transmitter with ceramic measuring cell

PA-025-SBR14-A-ZVG/US/ /V

Article no longer available - archive entry



Product characteristics		
Number of inputs and outputs		Number of analogue outputs: 1
Measuring range	[bar]	0...25
Process connection		threaded connection G 1/4 internal thread
Application		
Special feature		Gold-plated contacts
Application		for industrial applications
Media		liquids and gases
Medium temperature	[°C]	-25...90
Min. bursting pressure	[bar]	350
Pressure rating	[bar]	150
Type of pressure		relative pressure
Electrical data		
Operating voltage	[V]	9.6...32 DC
Min. insulation resistance	[MΩ]	100; (500 V DC)
Protection class		III
Reverse polarity protection		yes
Inputs / outputs		
Number of inputs and outputs		Number of analogue outputs: 1
Outputs		
Total number of outputs		1
Output signal		analogue signal

PX9963

Pressure transmitter with ceramic measuring cell

PA-025-SBR14-A-ZVG/US/ /V

Number of analogue outputs			1
Analogue current output	[mA]		4...20
Max. load	[Ω]		720; (Ub = 24 V; (Ub - 9,6 V) / 20 mA)
Overload protection			yes
Measuring/setting range			
Measuring range	[bar]		0...25
Accuracy / deviations			
Repeatability	[% of the span]		< 0,1; (with temperature fluctuations < 10 K)
Characteristics deviation	[% of the span]		< ± 0,6; (incl. linearity, zero and span error (limit value setting))
Long-term stability	[% of the span]		< ± 0,05; (per 6 months)
Temperature coefficient zero point	[% of the span / 10 K]		0,2; (0...80 °C)
Temperature coefficient span	[% of the span / 10 K]		0,2; (0...80 °C)
Response times			
Step response time analogue output	[ms]		3
Operating conditions			
Ambient temperature	[°C]		-25...80
Storage temperature	[°C]		-40...100
Protection			IP 68; IP 69K
Tests / approvals			
EMC		EN 61000-4-2 ESD	4 kV CD / 8 kV AD
		EN 61000-4-3 HF radiated	30 V/m
		EN 61000-4-4 Burst	2 kV
		EN 61000-4-6 HF conducted	10 V
		radiation of interference	according to the automotive directive 2004/104/EC / CISPR 25
		immunity	according to the automotive directive 2004/104/EC / ISO 11452-2
		HF radiated	100 V/m
		pulse resistance	ISO 7637-2 / severity level 3
Shock resistance		DIN IEC 68-2-27	50 g (11 ms)
Vibration resistance		DIN IEC 68-2-6	20 g (10...2000 Hz)
Mechanical data			
Weight	[g]		0.223
Materials			stainless steel (1.4404 / 316L); FKM; PA; EPDM/X
Materials (wetted parts)			stainless steel (1.4305 / 303); ceramics; FKM
Min. pressure cycles			100 million
Process connection			threaded connection G 1/4 internal thread
Remarks			
Pack quantity			1 pcs.

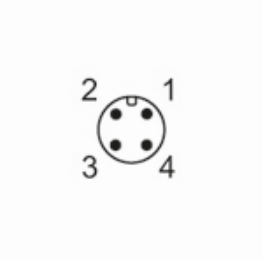
PX9963

Pressure transmitter with ceramic measuring cell

PA-025-SBR14-A-ZVG/US/ /V

Electrical connection

Connector: 1 x M12; coding: A; Contacts: gold-plated



Connection

